

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: White, Theresa C
Hindle, Christopher D
- (ii) TITLE OF INVENTION: GENETIC CONSTRUCTS AND GENETICALLY
MODIFIED MICROBES FOR ENHANCED PRODUCTION OF
BETA-GLUCOSIDASE.
- (iii) NUMBER OF SEQUENCES: 4
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Fitzpatrick, Cella, Harper & Scinto
(B) STREET: 1900 K Street, N.W.
(C) CITY: Washington
(D) STATE: D.C.
(E) COUNTRY: USA
(F) ZIP: 20006-1110
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: CA 09/037,524
(B) FILING DATE: 10-MAR-1998
(C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Olsen, Warren E
(C) REFERENCE/DOCKET NUMBER: 1039.2500
- (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: 202-530-1010
(B) TELEFAX: 202-530-1055

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 72 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: NO



E4

(vi) ORIGINAL SOURCE:

(A) ORGANISM: Trichoderma reesei

(ix) FEATURE:

(A) NAME/KEY: sig_peptide

(B) LOCATION: 1..51

(D) OTHER INFORMATION: /function= "cbhl secretion signal"

(ix) FEATURE:

(A) NAME/KEY: mat_peptide

(B) LOCATION: 61..72

(D) OTHER INFORMATION: /function= "mature
beta-glucosidase"

(ix) FEATURE:

(A) NAME/KEY: CDS

(B) LOCATION: 1..72

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

ATG TAT CGG AAG TTG GCC GTC ATC TCG GCC TTC TTG GCC ACA GCT CGT 48
Met Tyr Arg Lys Leu Ala Val Ile Ser Ala Phe Leu Ala Thr Ala Arg
-20 -15 -10 -5

GCT CAG TCG GCA GTT GTA CCT CCT 72
Ala Gln Ser Ala Val Val Pro Pro
1

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Met Tyr Arg Lys Leu Ala Val Ile Ser Ala Phe Leu Ala Thr Ala Arg
-20 -15 -10 -5

Ala Gln Ser Ala Val Val Pro Pro
1

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 120 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

E⁴
cont

4
cont

-20

-15

-10

-5

Arg Gln Ala Arg Val Val Pro Pro
1

